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|-------------------------------|------------------------|---------------------|--|
| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/692,541 | HESS ET AL. | |
| | Examiner | Art Unit | |
| | Minh D. A | 2821 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to 3/27/06.
- 2. ☒ The allowed claim(s) is/are 1-34,36-53,58 and 59-60
- 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 - 1. ☐ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. ☒ Notice of References Cited (PTO-892)
- 2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
 Paper No./Mail Date 1/14/05
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit
 of Biological Material
- 5. ☐ Notice of Informal Patent Application (PTO-152)
- 6. ☐ Interview Summary (PTO-413),
 Paper No./Mail Date _____.
- 7. ☐ Examiner's Amendment/Comment
- 8. ☒ Examiner's Statement of Reasons for Allowance
- 9. ☐ Other _____.

Shih-Chao Chen
SHIH-CHAO CHEN
PRIMARY EXAMINER

Allowable Subject Matter

1. Claims 1-34, 36-53 and 58-~~60~~ are allowed

The following is an examiner's statement of reasons for allowance:

Prior art does not teach that, wherein the first winding and second winding are wound such that, a direction of a first magnetic field generated by the first winding is different that the direction of a second magnetic filed generated by the second winding, wherein the activation circuitry activated the first winding separately from the second winding and wherein the yet further winding is serially connected to the second winding in combination with all limitations recited in independent claim claims 1, 19 and 59.

The prior art does not teach that, a first core disposed on an implantable unit; a local first winding disposed about the first core for transmitting/receiving RF signals; at least one local second winding for transmitting/receiving electromagnetic signals disposed about the first core and the local first winding; a second core disposed on a remote unit; a remote first winding disposed about the second core for transmitting/receiving RF signals; and at least one remote second winding for transmitting/receiving electromagnetic signals disposed about the second core and the remote first winding, wherein magnetic fields are coupled between the local first winding and the at least one local second winding on the first core and the remote first winding and the at least one remote second winding on the second core recited in independent claim 27.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant prior art

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kropoelnicki et al (US RE37,835 E) and Cern et al. (US 6,646,447) are cited to show a core antenna.

Inquiry

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Dieu A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 AM-2:45 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner

Minh A

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6/8/06

Shih-Chao Chen
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PRIMARY EXAMINER